

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	((SHISEI) near2 (GOTO)).INV.	US-PGPUB; USPAT	OR	OFF	2008/08/12 17:02
S2	12	((KEIGO) near2 (WATANABE)).INV.	US-PGPUB; USPAT	OR	OFF	2008/08/12 17:03
S3	3	((TAKANORI) near2 (MIYANISHI)).INV.	US-PGPUB; USPAT	OR	OFF	2008/08/12 17:05
S4	26	cavitation and deinking	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/12 17:12
S6	1	solonitsyn	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/14 08:56
S7	2	"3420454".PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/14 09:01
S8	69	solonitsyn	FPRS; EPO; JPO; DERWENT	OR	OFF	2008/08/14 09:05
S17	2	"2904460".PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/14 10:15
S18	2364	(16/189 162/4 162/252 162/57 241/21).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/15 09:52
S19	38	(16/189 162/4 162/252 162/57 241/21).CCLS. and cavitation	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/15 09:52
S20	98	("20010027849" "20020026990" "20020059991" "20020108728" "20030102092" "20030102093" "20030205343" "20050061459" "20070137804" "3622441" "3704603" "3760948" "3773610" "3815386" "3992250" "4123318" "4209362" "4259147" "4436586" "4635470" "4638855" "4735709" "4780181" "4793161" "4840047" "4881286" "4908896" "4993947" "5129119" "5187956" "5207870" "5213662" "5281343" "5444884" "5482594")	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/15 10:29

		"5571377" "5680995" "5736006" "5744004" "5785810" "5814189" "5824188" "6030493" "6176971" "6280567" "6325888" "6436233" "6451172" "6500301" "6841042" "20020066880" "20020129909" "20050098278" "20060124256" "20070107859" "20070137804" "20080078518" "4360439" "4561933" "4780179" "4952308" "4971656" "5225046" "5228953" "5234480" "5238538" "5258099" "5273624" "5302245" "5316621" "5370770" "5415733" "5417807" "5512133" "5529190" "5591307" "5605567" "5658426" "5658427" "5660684" "5718801" "5763373" "5804061" "5807464" "5817212" "5827397" "5837097" "5837099" "5840156" "5876558" "5876559" "6013157" "6069119" "6073774" "6159381" "6217706" "6217706" "6241849" "6544383" "7169257").PN.				
S21	98	("20010027849" "20020026990" "20020059991" "20020108728" "20030102092" "20030102093" "20030205343" "20050061459" "20070137804" "3622441" "3704603" "3760948" "3773610" "3815386" "3992250" "4123318" "4209362" "4259147" "4436586" "4635470" "4638855" "4735709" "4780181" "4793161" "4840047" "4881286" "4908896"	US-PGPUB; USPAT	OR	OFF	2008/08/15 10:29

		"4993947" "5129119" "5187956" "5207870" "5213662" "5281343" "5444884" "5482594" "5571377" "5680995" "5736006" "5744004" "5785810" "5814189" "5824188" "6030493" "6176971" "6280567" "6325888" "6436233" "6451172" "6500301" "6841042" "20020066880" "20020129909" "20050098278" "20060124256" "20070107859" "20070137804" "20080078518" "4360439" "4561933" "4780179" "4952308" "4971656" "5225046" "5228953" "5234480" "5238538" "5258099" "5273624" "5302245" "5316621" "5370770" "5415733" "5417807" "5512133" "5529190" "5591307" "5605567" "5658426" "5658427" "5660684" "5718801" "5763373" "5804061" "5807464" "5817212" "5827397" "5837097" "5837099" "5840156" "5876558" "5876559" "6013157" "6069119" "6073774" "6159381" "6217706" "6217706" "6241849" "6544383" "7169257").PN.				
S22	2	"3834982".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/15 13:54
S23	2	cavitation near5 reactor and "baffle plate"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/15 16:16
S24	11	cavitation near5 reactor and "baffle"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/15 16:17
S25	46	(cavitation cavitor) and "baffle plate" and "control valve"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/15 16:22
S26	125	(cavitation near2 reactor)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/15 16:24

S27	7	("3834982").URPN.	USPAT	OR	OFF	2009/06/15 16:25
S28	14	cavitation same de\$1ink \$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/02 14:40
S29	14	cavitat\$3 same de\$1ink \$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/02 14:41
S30	123	cavitat\$3 and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/02 14:43
S31	125	cavitat\$3 and "162". clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 14:43
S32	24	cavitat\$3 same2 de \$1ink\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/02 14:43
S33	39	cavitat\$3 same2 de \$1ink\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 14:45
S34	39	cavitat\$3 same2 de \$3ink\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 14:46
S35	8	cavitat\$3.clm. and de \$ink\$3.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 15:06
S36	29	cavitat\$3.clm. and pulp. clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 15:08
S37	70	hydrodynamic near2 cavitat\$3.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 15:15
S38	5	hydrodynamic near2 cavitat\$3.clm. and pulp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 15:15
S39	5	(inertial hydrodynamic) near2 cavitat\$3.clm. and pulp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 15:18
S40	0	(inertial hydrodynamic) near2 cavitat\$3.clm. and de\$ink\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 15:18
S41	7	(inertial hydrodynamic) near2 cavitat\$3.clm. and fiber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 15:18

S42	0	(inertial hydrodynamic) near2 cavitat\$3.clm. and "162".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 15:19
S43	17	(inertial hydrodynamic) near2 cavitat\$3.clm. and reactor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 15:19
S44	81	(inertial hydrodynamic) near2 cavitat\$3.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 15:20
S45	6	"3834982".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 15:37
S46	7	("3834982").URPN.	USPAT	OR	OFF	2009/11/02 15:37
S47	6	S46 and pressure	USPAT	OR	OFF	2009/11/02 15:38
S48	1	"5,492,654".pn.	USPAT	OR	OFF	2009/11/02 15:40
S49	36	("3467072"   "3834982"   "3937445"   "3942765"   "4164375"   "4316673"   "4344752"   "4464057"   "4498786"   "4506991"   "4674888"   "4929088"   "5145256").PN. OR ("5492654").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/02 15:42
S50	79407	dennis and cordray and meyers	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/02 16:20
S51	0	dennis and cordray and meyers	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/02 16:20
S52	1	dennis and cordray and proctor	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/02 16:21
S53	20	dennis and cordray and tissue	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/02 16:22
S54	0	dennis and cordray and tissue and meyer	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/02 16:24
S55	2	dennis and cordray and meyer	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/02 16:24
S56	1	solonitsyn and "162". clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/02 17:00
S58	1	solonitsyn	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/02 17:01

S59	68	solonitsyn	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 17:01
S60	13	solonitsyn and cavitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 17:01
S61	144	D21B1/36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 17:13
S62	29	D21B1/36 and cavitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/02 17:14
S63	241	D21D1/20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:05
S64	0	D21D1/20 and vacitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:05
S65	5	D21D1/20 and cavitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:05
S66	0	D21D1 and cavitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:06
S67	28	D21D1\$3 and cavitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:06
S68	34	D21D\$4 and cavitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:09
S69	6	D21D\$4 and cavitation not S67	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:09
S70	3978	D21B\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:10

S71	45	D21B\$4 and cavitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:10
S72	29	D21B1/36 and cavitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:10
S73	16	D21B\$4 and cavitation not S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:10
S74	23	D21C\$4 and cavitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:13
S75	18	D21F\$4 and cavitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:15
S76	5	"3843982".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:17
S77	6	"3834982".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:17
S78	774	B01F\$4 and cavitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:23
S79	21	B01F\$4 and cavitation and pulp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:23
S80	821	cavitation and pulp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:26
S81	606	cavitation and pulp and pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:26
S82	2653	cavitation and fibers and pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:27

S83	251	cavitation and fibers and pulp and pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 09:27
S84	0	SOYOMA and cavitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 15:06
S85	39	SOYAMA and cavitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 15:06
S86	103	baffle same nozzle and "162".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/03 15:47
S87	42	"2 MPa" and "162".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/11 09:18
S88	19	"hydrodynamic cavitation" and pulp	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/11 09:43
S89	1	"7338551".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/11 09:51
S90	34	("20040251566"   "2164263"   "3738620"   "3829247"   "3927152"   "4152409"   "4162971"   "4198359"   "4226705"   "4477341"   "4487553"   "4514343"   "4743405"   "4812049"   "4964733"   "5091118"   "5381957"   "5403151"   "5403475"   "5437784"   "5674312"   "5783118"   "5935490"   "5937906"   "5951922"   "5971601"   "6012492"   "6035897"   "6164567"   "6279611"   "6460830"   "6935770"   "7086777").PN. OR ("7338551").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/11 09:53
S91	273	cavitation near2 jet	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/11 10:01
S92	4	cavitation near2 jet and "162".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/11 10:01



S93	4	cavitation near2 jet and de\$1ink\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/11 10:02
S94	6	cavitation near2 jet and de\$1ink\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/01/11 10:02
S95	3	cavitation near2 jet and floatation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/01/11 10:04
S96	14	cavitation near2 jet and flotation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/01/11 10:05
S97	10	cavitation and flotation and deinking	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/01/11 10:35
S99	2	S98 and cavitation	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/11 10:46
S100	0	solitnitsyn	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/11 10:56
S101	1	solonitsyn and cavitation	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/11 10:56
S102	12	solonitsyn and cavitation	EPO; JPO; DERWENT	OR	OFF	2010/01/11 11:03
S103	24	solonitsyn and (paper or pulp)	EPO; JPO; DERWENT	OR	OFF	2010/01/11 11:14
S104	13	solonitsyn and (paper or pulp) not S102	EPO; JPO; DERWENT	OR	OFF	2010/01/11 11:14

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L12	89	162/21.ccls.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/01/15 12:28
L13	3	D21B1/36	US-PGPUB; USPAT; UPAD	OR	OFF	2010/01/15 12:29
L14	8	cavitation.clm. and de\$ink\$3.clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2010/01/15 12:30

**1/ 15/ 2010 12:31:06 PM****C:\ Documents and Settings\ ACALANDRA\ My Documents\ EAST\ Workspaces\ 10566262  
cavitation deinking.wsp**